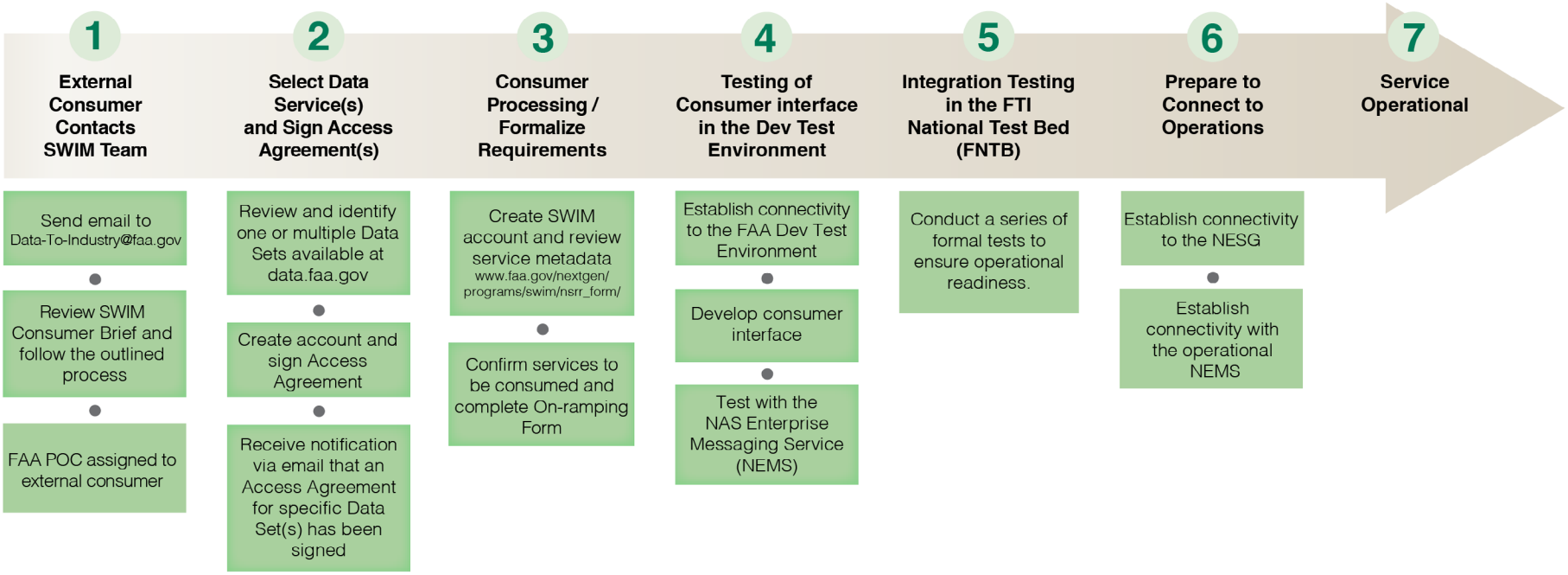
Getting Access to SWIM



1 Getting Started
- Send an email to Data-To-Industry@faa.gov.
- Upon receipt of email, FAA will assign a POC to address questions and escalate issues.

2 Data Catalog and Access Agreement
- Create an account at data.faa.gov.
- Select desired NAS data products.
- Agree to FAA Terms of Service and sign the Access Agreement.

3 Obtain SWIM Service Documentation
- Create an account on the NAS Service Registry and Repository.
- Access NSRR to obtain the latest SWIM Service documentation.

4 Developing the Consumer Client
- Get connected to the FAA R&D Domain.
- Download the NAS Enterprise Messaging Service Jump-Start Kit.
- Work with your assigned FAA POC to connect to the R&D NEMS, and start testing with SWIM Services.
- Complete development of your Consumer Client.

5 Formal Interoperability Testing
- Get connected to the FTI National Test Bed (FNTB).
- Successfully complete the required interoperability testing.

6 Connecting to the Production SWIM Services
- Get connected to the NAS Enterprise Security Gateway (NESG).
- Get connected to the Production NEMS.

Currently Available Data

Producer	Description
ITWS	Integrated Terminal Weather System (ITWS) provides a variety of weather information in graphic and textual forms, such as windshear and microburst predictions, storm cell and lightning information, and terminal area winds aloft
TFMS	Traffic Flow Management (TFMS) will provide Aircraft Situation Display (ASDI) data, which will include aircraft scheduling, routing, and positional information
STDDS	SWIM Terminal Data Distribution System (STDDS) provides surface movement data (ASDE-X), Runway Visual Range (RVR), and a variety of departure event data
AIM FNS	Provides Notice to Airmen (NOTAMs)
SFDPS	SWIM Flight Data Publication Service (SFDPS) will provide a variety of En Route flight data, such as flight plans, beacon codes, and handoff status. SFDPS will also disseminate data regarding airspaces, such as Sector configuration data, route status, Special Activity Airspace (SAA) status, and altimeter settings.

Future Available Data

Producer	Description
AIM-M Segment 2	AIMM Segment 2 (S2) will modernize the ingestion, integration, management, and distribution of aeronautical information (AI) by establishing the Aeronautical Common Services (ACS) and a one-stop-shop (OSS) customer portal. ACS and OSS will streamline dissemination and updates to Airport reference and configuration data, SAA/ SUA, FNS, and other types of AI information.
AIM SAA	Provides Airport reference and configuration data, including: definitions and schedule information for Special Activity Airspace (SAA), Temporary Flight Restriction (TFR), procedure (RNAV/RNP) data, and obstacles.
CSS-Wx	CSS-Wx will modernize, centralize and streamline distribution of weather within the NAS. CSS-Wx will replace with NEMS-based SOA Services existing data feeds from ITWS, CIWS, EWD, WMSCR, and WARP.
STARS/ STDDS	Disseminate Standard Terminal Automation Replacement System (STARS) data via the NEMS
TBFM	Time Based Flow Management (TBFM) will provide a variety of aircraft metering information, airport configuration and adaptation data.
TFDM	Terminal Flight Data Manager (TFDM) will provide a variety of Airport information, Surface and flight data, and flow information
WMSCR	The Weather Message Switching Center Replacement System (WMSCR) collects, processes, stores, and disseminates textual aviation weather products such as PIREPs and Altimeter data.

SWIM connect 2015

Email Requests to: Data-to-industry@faa.gov
www.faa.gov/nextgen/programs/swim/

NextGEN